



UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.: 20020606.ORI
First Inventor: Kent Lee
Title: Ectopic Beat Detection Algorithm For
Implantable Cardiac Rhythm Management Device



Express Mail Label No.: EL 970093410US

Address to: Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Application Elements:

1. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
2. ☒ Specification Total Pages: 13
3. ☒ Drawings Total Sheets: 3
4. Oath or Declaration Total Pages: 4
 - a. ☒ Newly executed.
 - b. ☐ Copy from prior application
(for continuation/divisional with Box 13 completed)
5. ☒ Application Data Sheet.

Accompanying Application Parts

6. ☒ Assignment Papers (cover sheet & document)
7. ☐ Information Disclosure Statement
8. ☐ Preliminary Amendment
9. ☒ Return Receipt Postcard

10. ☐ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
11. ☒ Certificate of Mailing Via Express Mail
12. ☒ Check in the amount of \$850.00
13. ☐ If a **CONTINUING APPLICATION** (check appropriate box and supply requisite information below and in a preliminary amendment, or in an Application Data Sheets under 37 CFR 1.76):

☐ Continuation ☐ Divisional ☐ Continuation-in-Part

of prior application Serial No.:

Prior application information: Examiner: Group Art Unit:

☒ **Assignee Information for Inclusion on the Patent Application Publication:**

Assignee: Cardiac Pacemakers, Inc.
Address: 4100 Hamline Avenue North
St. Paul, MN 55112

Method of Payment

☒ Payment enclosed by check to cover the filing and recording fees.

☒ The Commissioner is authorized to charge any fees or refund any overpayment under 37 CFR 1.16 and 1.17 which may be required by this paper to Deposit Account No. 08-1265 under Deposit Account name of Nikolai & Mersereau, P.A.

Correspondence Address:

Customer No.: 23595

Typed Attorney Name: Thomas J. Nikolai
Attorney Registration No.: 19,283
Telephone Number: 612-339-7461

Signature:  Date: March 23, 2004.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 850.00

Complete if Known

Application Number
Filing Date
First Named Inventor Kent Lee
Examiner Name
Art Unit
Attorney Docket No. 20020606.ORI

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number 08-1265
Deposit Account Name Nikolai & Mersereau, P.A.

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 1001 770 | 2001 385 | Utility filing fee | 770. |
| 1002 340 | 2002 170 | Design filing fee | |
| 1003 530 | 2003 265 | Plant filing fee | |
| 1004 770 | 2004 385 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |
| SUBTOTAL (1) (\$ 770. | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | -20** = | X | |
| Multiple Dependent | -3** = | X | |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description |
|----------------------------|----------------------------|--|
| 1202 18 | 2202 9 | Claims in excess of 20 |
| 1201 86 | 2201 43 | Independent claims in excess of 3 |
| 1203 290 | 2203 145 | Multiple dependent claim, if not paid |
| 1204 86 | 2204 43 | ** Reissue independent claims over original patent |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 1051 130 | 2051 65 | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | Non-English specification | |
| 1812 2,520 | 1812 2,520 | For filing a request for ex parte reexamination | |
| 1804 920* | 1804 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | Extension for reply within first month | |
| 1252 420 | 2252 210 | Extension for reply within second month | |
| 1253 950 | 2253 475 | Extension for reply within third month | |
| 1254 1,480 | 2254 740 | Extension for reply within fourth month | |
| 1255 2,010 | 2255 1,005 | Extension for reply within fifth month | |
| 1401 330 | 2401 165 | Notice of Appeal | |
| 1402 330 | 2402 165 | Filing a brief in support of an appeal | |
| 1403 290 | 2403 145 | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | Petition to revive - unintentional | |
| 1501 1,330 | 2501 665 | Utility issue fee (or reissue) | |
| 1502 480 | 2502 240 | Design issue fee | |
| 1503 640 | 2503 320 | Plant issue fee | |
| 1460 130 | 1460 130 | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | Submission of Information Disclosure Stmt | |
| 8021 40 | 8021 40 | Recording each patent assignment per property (times number of properties) | 80. |
| 1809 770 | 2809 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 770 | 2810 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 770 | 2801 385 | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 80.

SUBMITTED BY

| | | |
|-------------------------------------|---|------------------------|
| Name (Print/Type) Thomas J. Nikolai | Registration No. (Attorney/Agent) 19283 | Telephone 612-339-7461 |
| Signature [Signature] | Date March 23, 2004 | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Express Mail Label #EL 970093410 US

PATENT APPLICATION

Our Docket No. 20020606.ORI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re App : Kent Lee, et al.

: March 23, 2004

For : Ectopic Beat Detection Algorithm For Implantable
Cardiac Rhythm Management Device

CERTIFICATE OF MAILING VIA EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the attached patent application consisting of nine (9) pages of specification, three (3) pages of claims, abstract, one copy of three (3) sheets of formal patent drawings, two (2) executed Declaration, Power of Attorney, and Petition (@2 pp), two (2) executed Assignment documents (@ 2 pp), two Recordation Form Cover Sheets (@2pp.), Patent Application Data Entry format, a Utility Patent Application Transmittal (2pp.), a Fee Transmittal and a check in the amount of \$850.00 in payment of the filing and recording fees, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and are addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, under Express Mail Post Office to Addressee Label No. EL 970093410 US.

Respectfully submitted,

NIKOLAI & MERSEREAU, P.A.



Linda J. Rice

On Behalf of Thomas J. Nikolai

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